

BATTERY ISSUES & SAFETY

- Naval Integration Battery Safety Point of Contact for USMC
- Data repository of approved lithium battery systems
- Marine Corps Master Battery Requirements Model

FUTURE INITIATIVES

- **Commercial Based, MEPDIS Replacement** - A replacement system for the current family of Mobile Electric Power Distribution panels and Field Wiring Harness sets, using readily available commercial components. Planned fielding to begin in 2006.
- **Floodlight Replacement Set** - A replacement system for the current B0635 Floodlight Set. System will be comprised of a self-contained, diesel engine driven, skid mounted assembly, and planned fielding is to begin in 2007.
- **Advanced Medium Size Mobile Power Sources (AMMPS)** - Third generation of military tactical generators, in sizes from 5kW to 60kW. Planned fielding to start in 2010.
- **Mobile Electric Power Study** - PM EPS, with input from other PMs and the FMF, is assessing the family of tactical generators to address current and future needs.
- **HAWKER Battery Introduction (2003-2004)** - PM EPS, working with PM Motor Transportation, will introduce the 6T size-factor HAWKER absorbed glass-mat, sealed lead acid batteries.
- **On-Board Vehicle Power** - Initiatives are currently under development and testing to provide AC power in 3 sizes: 5-8 kW on a HMMWV, 20-30 kW on a HMMWV, and 60 kW on an MTRV.
- **Science and Technology** - Working with the Office of Naval Research and the Marine Corps Warfighting Lab, PM EPS investigates and conducts research and evaluation to support future equipment needs.
- **Technical Assistance to USMC PMs and Commodity managers for Power Related issues** - PM EPS provides technical support to other programs and commodities, addressing the full range of "power" from policy and regulation matters, through power generation, conversion, and distribution issues.

UNITED STATES MARINE CORPS



PROGRAM MANAGER EXPEDITIONARY POWER SYSTEMS

INTRODUCTION

MARINE CORPS SYSTEMS COMMAND
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POINTS OF CONTACT

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MOBILE POWER

PM EPS is the USMC fielding source for the Joint Service Program for Mobile Electric Power. Currently, the USMC is fielding the following family of Tactical Quiet Generators (TQGs), in addition to managing legacy systems until their exit from the fleet.

2 kW MEP-531A Military Tactical Generator
Begin fielding in 2005



3 kW MEP-831A TQG
Qty: 1752

10 kW MEP-803A TQG
Qty: 1939



Commercial 25 kW, HMMWV Towable
Non-TQG – 52 Fielded for OIF

30 kW MEP-805A/815A/805B/815B TQG
Qty: 1501



60 kW MEP 806A/816A/806B TQG
Qty: 995

100 kW MEP-807A TQG
Begin Fielding 2006



Mobile Electric Power Distribution
Fielding: Continuous

ALTERNATIVE POWER

PM EPS is the USMC fielding source for the family of Alternative / Advanced Power Sources for Communication Equipment.



Multi-SINGARs
Power Adaptor



24 Volt
Radio Power Adaptor



Single-SINGARs
Power
Adaptor



12 Volt
Multi-Radio
Power Adaptor



Power Inverters
Planned fielding in
2006/2007



Solar Power Adaptors
Planned fielding in
2006/2007

BATTERY MANAGEMENT AND SUSTAINMENT SYSTEMS



PP-8444A/U
Universal
Battery Charger



PP-8481A/U
Charger-on-the-Move
Battery Charger



PP-8498/U
Soldier Portable
Battery Charger

Fielded

Planned fielding in 2005-2007